

# PCT

#### INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference	FOR FURTHER	see Form PCT/ISA/220			
NEU-0009-PCT	ACTION as we	well as, where applicable, item 5 below.			
International application No.	International filing date (day/month/year)	(Earliest) Priority Date (day/month/year)			
PCT/US2005/004107	09/02/2005	09/02/2004			
Applicant					
NEUROGEN CORPORATION					
This International Search Report has bee according to Article 18. A copy is being tr	n prepared by this International Searching Aut ansmitted to the International Bureau.	hority and is transmitted to the applicant			
This International Search Report consists	of a total of 4 sheets.				
X It is also accompanied by	a copy of each prior art document cited in this	report.			
1	international search was carried out on the ba less otherwise indicated under this item.	sis of the international application in the			
The International this Authority (Ru		ation of the international application furnished to			
b. With regard to any nucle	otide and/or amino acid sequence disclosed	in the international application, see Box No. I.			
2. X Certain claims were fou	nd unsearchable (See Box II).				
3. Unity of invention is lac	king (see Box III).				
4. With regard to the <b>title</b> ,					
X the text is approved as su	ibmitted by the applicant.				
the text has been establis	shed by this Authority to read as follows:				
- there is a second to at a second					
5. With regard to the <b>abstract</b> ,  the text is approved as su	hmitted by the applicant				
the text has been establis	hed, according to Rule 38.2(b), by this Authorit				
may, within one month fro	m the date of mailing of this international searc	h report, submit comments to this Authority.			
6. With regard to the drawings,					
a. the figure of the drawings to be p	ublished with the abstract is Figure No.				
as suggested by t					
	s Authority, because the applicant failed to sug s Authority, because this figure better character				
	e published with the abstract.	IZOS GIO HIVOHROH,			
<del></del>					

## INTERNATIONAL SEARCH REPORT

International Application No CT/US2005/004107

IPC 7	CO7D401/06 CO7D217/22 CO7D2	17/04 A61K31/4706		
According t	to International Patent Classification (IPC) or to both national class	ssification and IPC		
	SEARCHED			
Minimum de IPC 7	ocumentation searched (classification system followed by classif CO7D	fication symbols)		
Documenta	tion searched other than minimum documentation to the extent the	hal such documents are included in the fields s	earched	
Electronic d	lata base consulted during the International search (name of data	a base and, where practical, search terms use	d)	
EPO-In	ternal, WPI Data, PAJ, CHEM ABS Da	ata		
С. РОСИМІ	ENTS CONSIDERED TO BE RELEVANT			
Category °	Citation of document, with indication, where appropriate, of the	e relevant passages	Relevant to claim No.	
Α	WO 03/087046 A (7TM PHARMA A/S; JEAN-MARIE; HOEGBERG, THOMAS; L PAUL,) 23 October 2003 (2003-10 claims 1-85	ÍTTLE,	1-121	
A	WO 03/082828 A (NEUROGEN CORPORMITCHELL, SCOTT; OHLIGER, ROBER LUYAN;) 9 October 2003 (2003-10 claims 1-52	RT; ZHÁNG,	1-121	
Α	WO 03/045313 A (MERCK & CO. INC ROBERT, J; CHANG, LEHUA; CHAUNG HOANG) 5 June 2003 (2003-06-05) claims 1-22	G, DANNY;	1-121	
A	WO 02/094799 A (NEUROGEN CORPOR HUTCHISON, ALAN; PETERSON, JOHN DARIO;) 28 November 2002 (2002- claims 1-64	l; DOLĹER,	1-121	
Funth	ner documents are listed in the continuation of box C.	χ Patent family members are listed i	n annex.	
<ul> <li>"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)</li> <li>"O" document referring to an oral disclosure, use, exhibition or other means</li> <li>"P" document published prior to the international filing date but</li> </ul>		<ul> <li>*T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention</li> <li>*X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone</li> <li>*Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.</li> <li>*&amp;* document member of the same patent family</li> </ul>		
	actual completion of the international search	Date of mailing of the international sear		
28	8 October 2005	08/11/2005		
Name and m	nailing address of the ISA	Authorized officer		
	European Patent Office, P.B. 5816 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo ni, Fax: (+31-70) 340-3016	Kyriakakou, G		

# INTERNA NAL SEARCH REPORT

Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
<ol> <li>Claims Nos.: because they relate to subject matter not required to be searched by this Authority, namely:</li> </ol>
Although claims 42-66 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
Claims Nos.: because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
Claims Nos.: because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Searching Authority found multiple inventions in this international application, as follows:
As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. No required additional search fees were timely paid by the applicant. Consequently, this international Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest  The additional search fees were accompanied by the applicant's protest.  No protest accompanied the payment of additional search fees.

### INTERNATIONAL SEARCH REPORT

rmation on patent family members

International Application No CT/US2005/004107

	atent document I in search report		Publication date		Patent family member(s)		Publication date
WO	03087046	Α	23-10-2003	AU	2003226928	A1	27-10-2003
WO	03082828	A	09-10-2003	AU CA EP	2003218374 2479930 1487798	A1	13-10-2003 09-10-2003 22-12-2004
WO	03045313	Α	05-06-2003	AU CA EP JP	2002352878 2468015 1450801 2005519876	A1 A2	10-06-2003 05-06-2003 01-09-2004 07-07-2005
WO	02094799	Α	28-11-2002	BR CA EP JP MX	0209932 2448080 1389189 2005515961 PA03010612	A1 A2 T	13-10-2004 28-11-2002 18-02-2004 02-06-2005 02-04-2004